

## SECTION 11

### 11.23 NONPOTABLE DISTRIBUTION MAINS:

Nonpotable distribution mains are either 3 inch, 4 inch, 6 inch, 8 inch or 12 inch diameter mains installed in the nonpotable water distribution systems.

The designing and construction of distribution mains carrying nonpotable water shall be in accordance with the nonpotable standards and appropriate potable sections of Denver Water's Engineering Standards and following supplementary requirements:

- A. All piping in the nonpotable water system shall be identified by an integral Pantone 256U in color and an embossed or integrally stamped warning reading "CAUTION: NONPOTABLE WATER – DO NOT DRINK". The printing shall be continuous on both sides of the pipe.

As an acceptable alternative, the pipe may be installed with a continuous purple identification tape or purple polyethylene vinyl wrap. Identification tapes shall be black printing on a purple field and contain the warning stated above. The warning tape shall be a minimum of 3 inches wide.

Identification tapes shall be installed on the top of the pipe longitudinally and shall be centered. The identification tape shall be continuous in its coverage of the pipe and shall be fastened to each pipe with plastic adhesive tape banded around the pipe. Taping attached to sections of pipe before placement in the trench shall have flaps sufficient for continuous coverage.

- B. All valve boxes in the nonpotable water system shall be fitted with covers cast with the words "NONPOTABLE WATER". The covers shall be coated with a fusion bonded epoxy coating, Pantone 256U in color. Both the top and bottom surfaces of the cover shall be coated.
- C. All valves in the nonpotable water system shall open in a counter-clockwise direction. Valves or valve operators located in vaults shall be tagged as belonging to the nonpotable water system.
- D. All appurtenances located in vaults, including valves, valve operators, air-vacuum relief valves, blow-offs and meters shall be labeled as belonging to the nonpotable water system. The labels shall be inert plastic formulated for prolonged exposure and shall be prepared with black printing on a white field having the words "NONPOTABLE WATER FACILITIES". The minimum height of the letters shall be one-half inch. The labels shall be attached with heavy duty nylon fasteners.
- E. All manhole covers in the nonpotable water system shall be fitted with covers cast with the words "NONPOTABLE WATER", the covers shall be coated with a fusion bonded epoxy coating, Pantone 256U in color.

The Nonpotable Customers shall pay all costs in the design and construction of distribution mains including those incurred by Denver Water for reviewing, inspection, test of materials, and other Denver Water services.